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# Options for individual needs.

**Toshiba sets the standard worldwide when it comes to flexibility, innovation and quality in mobile computing. The same goes for all our peripherals and upgrades. Our comprehensive range enables you to equip and configure your Toshiba notebook or PC to suit your exact needs.**

The extensive options available will help your computer evolve into an even more productive and capable machine. From docking stations to ultra-functional laptop bags to professional digital cameras, Toshiba offers enough options to create infinite personal solutions.

Each Toshiba product features the lastest technology. We continuously develop and expand our range of options so that you can keep up with the demands of the present and the future. This way you can maximise the lifespan of your Toshiba notebook which will actually cost you less in the long run. On top of that, each product is supplied with a comprehensive guarantee.

Options

# Mobile communication:
# Wireless solutions.

**Mobility is at the very heart of IT progress. Yet, in the past, when we've tried to go mobile we've often been held back by a cluster of cables. Now Toshiba's state-of-the-art wireless communication tools open up a whole new world of mobile communication freedom.**

In the past, going mobile meant you often had to contend with a nest of cables linking notebook, printer, network, mobile phone, organiser and other pieces of equipment. But not any more.

Toshiba's market-leading role in creating innovative mobile solutions has meant the development of a range of advanced mobile wireless communication tools to meet every need.

### Bluetooth PC Card

Developed in conjunction with other industry leaders, Toshiba's revolutionary Bluetooth PC Card redefines short-distance communication with the aid of a tiny radio module using the worldwide freely accessible 2.4 GHz short wave (ISM) band. Simply slot the card into the PC to talk to other notebooks, mobile phones, Personal Digital Assistants (PDAs) and other devices without the need for wires. With Bluetooth technology on board, you can effortlessly and securely, exchange data and files with other users, or link into shared devices such as printer at any distance up to 10 metres (or 100 metres with integrated power amplification) and a data transmission speed up to max. 1Mbps.

### Wireless LAN PC Card

This PC Card comes with a built-in antenna and offers complete mobile wireless networking freedom for users. Instead of being tied to a company network cable connection on the desktop, users can now move their portable PC freely throughout a building while still staying constantly in touch with the network. Data transmission speed is an impressive 11Mbps, with a range of up to 100 metres.

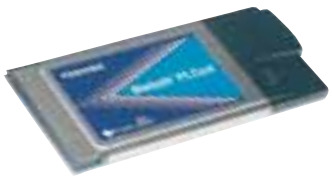
### Wireless LAN Access Point

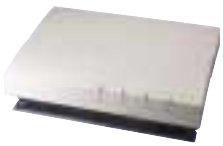
Containing a WLAN PC Card and connected via cable to the company, a single Access Point can provide up to 30 people with wireless access to the company's network system within an area of up to 100 metres.

### SPANworks sofware

What really sets Toshiba's mobile wireless communication tools apart is the ability to run them in conjunction with SPANworks software – a unique application developed by Toshiba that makes wireless communication so much easier and more convenient and enhances the productivity of users. This industry-first software automatically provides spontaneous seamless networking among notebooks, and allows users to effortlessly share presentations, files and business cards.

**Cable free – worry free.**





| Product | Bluetooth PC Card |
|---|---|
| Part Number | PA3053E-1PCC |
| Format | Type II PC Card |
| Transmission Range | Up to 100 metres |
| Transmission Power | +20 dbm Bluetooth radio designed in accordance with specification of the Bluetooth system v1.0B |
| Compatibility | Any notebook featuring a PC card slot type II. Any Bluetooth product certified to Bluetooth specification v1.0B |
| Software Included | Bluetooth Neighbourhood suite (further OS support available soon), SPANworks 2000 |
| OS Support | Windows 98 SE/ME (further OS support available soon) |
| Warranty | 1 year |

| Product | WLAN Access Point |
|---|---|
| Part Number | PA3065U-1ETC |
| Dimensions (L x W x H) | 260 x 185 x 60 mm |
| Wireless LAN Standard | IEEE802.11b (Wi-Fi certified) |
| Interface | 2 PC Card slots Type II (for wireless LAN Card), 10/100 Base T |
| Warranty | 1 year |

| Product | Wireless LAN PC Card |
|---|---|
| Part Number | PA3064U-1PCC |
| Format | Type II PC Card |
| Wireless LAN Standard | IEEE802.11b (Wi-Fi certified) |
| Frequency Band | 2.4 GHz |
| OS Support | Windows® 95, 98, NT 4.0, 2000, ME |
| Warranty | 1 year |

# Expansions:
# Quality memory upgrades.

**With ongoing software developments requiring ever increasing amounts of RAM memory to achieve maximum performance, it's hardly surprising that more and more people are considering additional memory for their existing PCs. However, the idea that all memory is much the same is a potentially disastrous misconception – and today, more than ever, Toshiba users need to be aware of the very significant dangers of compromising on quality where memory upgrades are concerned.**

Although there's little doubt that adding memory is a very cost-effective way of enhancing PC performance, the latest developments in memory technology are demanding more stringent requirements of manufacturers than ever before.

When you consider that according to the Gartner Group the second most common technical failure experienced by PC users either directly or indirectly involves RAM memory, the consequences of these shortcomings are too important to be ignored. At best, faulty design and cost-cutting compromises can lead to data corruption, performance degradation and expensive down time.

To ensure users can upgrade memory with total confidence, Toshiba has invested heavily in the resources needed for the manufacture, testing and validation of its modules. All of its modules are painstakingly tested in the machines for which they are intended.

By strictly adhering to the highest possible standards, every Toshiba memory module is 100% guaranteed to function properly in every specific Toshiba model – and it's also worth remembering that the Toshiba warranty will be invalidated if damage is caused by the use of non-Toshiba memory.

**Be sure – own Toshiba memory.**
**It's made to last.**

| Product | Satellite Pro 4200 Series | Satellite Pro 4300 Series | Satellite Pro 4600 Series | Tecra 8100 Series | Tecra 8200 Series | Portégé 34xx Series | Portégé 72xx Series |
|---|---|---|---|---|---|---|---|
| Expandable to (max.) | 320 MB | 320 MB | 512 MB | 512 MB | 512 MB | 192 MB | 320 MB |
| 32 MB Upgrade | PA3003U | PA3003U | - | - | - | - | PA3003U |
| 64 MB Upgrade | PA3004U | PA3004U | PA3004U-1M06 | PA3004U | PA3004U-1M06 | PA3033U-1M06 | PA3004U |
| 128 MB Upgrade | PA3005U | PA3005U | PA3005U-1M12 | PA3005U | PA3005U-1M12 | PA3034U-1M12 | PA3005U |
| 256 MB Upgrade | - | - | PA3069U-1M25 | PA3051U-1NME | PA3069U-1M25 | - | PA3051U-1NME |
| Warranty | 10 years | 10 years | 10 years | 10 years | 10 years | 10 years | 10 years |

**Please note:** All standard configurations of the above notebooks have 64 MB installed memory except Tecra 8100 featuring Pentium III 700 MHz processor. This model ships with 128 MB as standard.

Toshiba recommends Windows® 2000 Professional for business.

# Deskbased connectivity:

# Expand your convenience.

**Toshiba's comprehensive choice of connectivity solutions is designed to support most networking, communication and expansion needs.**

Toshiba's deskbased connectivity products deliver a comprehensive selection of ports, interfaces and PC card slots. They are designed to support connections to keyboard, mouse, monitor and other peripherals which remain permanently attached to your docking station for speed, ease and convenience of use.

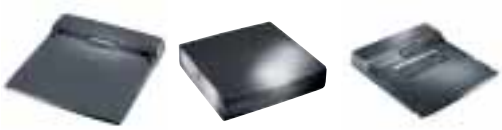
On the desktop, dock your portable PC and you are ready to enter an exciting world of convenient one-touch connectivity. Then, when you want to widen your horizons, simply realise your PC and go, making full use of your mobile computing platform.

| Product | Port Replicator | Card Station IV | I/O Adapter | Network I/O Adapter | MultiMedia Port Replicator | CD Network Dock | DVD Network Dock II |
|---|---|---|---|---|---|---|---|
| **Part Number** | PA2731-UE2 | PA3024E-1PRP | PA3041U-1PRP | PA3040U-1PRP | PA3042E-1DST | PA2723UE | PA3007E-1DST |
| **Interfaces/Expansion Slots** | | | | | | | |
| Parallel | x | x | x | x | x | x | x |
| Serial | x | x | x | x | x | x | x |
| External Monitor | x | x | x | x | x | x | x |
| USB | 2 x | 2 x | 1 x | 1 x | 1 x | 2 x | 2 x |
| PS/2 Keyboard | x | x | x (shared) | x (shared) | x (shared) | x | x |
| PS/2 Mouse | x | x | x (shared) | x (shared) | x (shared) | x | x |
| Midi/Joystick Port | x | - | - | - | - | - | - |
| PC Card Slots (CardBus supported) | | 1 x type II/III | - | - | 1 x type II | - | - |
| Line in | x | x | - | - | - | x | x |
| Line out | x | x | - | x | x | x | x |
| Microphone Socket & Speakers | x | - | - | - | - | x | x |
| **Special Features** | | | | | | | |
| Built-in RJ-45 Ethernet Connection | - | - | - | 10/100 Base TX (Intel®) | - | 10/100 Base TX (Intel®) | 10/100 Base TX (3Com) |
| Kensington Cable Lock Slot | - | x | - | - | x | x | x |
| Security Lock | x | x | - | - | x | - | x |
| **Speed** | | | | | | 24 x CD-ROM | 6 x DVD, 20 x CD-ROM |
| **Dimensions (W x D x H)** | 320 x 310 x 55 mm | 370 x 320 x 55 mm | 185 x 44 x 24 mm | 208 x 54 x 22.5 mm | 166 x 190 x 30 mm | 302 x 257 x 25.8 mm | 302 x 257 x 23.7 mm |
| **Weight** | 1.3 kg | 1.6 kg | 240 g | 340 g | 600 g | 1.2 kg | 1.2 kg |
| **Power Supply** | 15 V DC in | 15 V DC in | N/A | N/A | 15 V DC in | 15 V DC in | 15 V DC in |
| **Compatibility** | Satellite Pro 4200/4300/4600 series (equipped with Pentium III processor with up to 600 MHz) | Satellite Pro 4200/4300/4600 series | Portégé 3440CT, 3480CT | Portégé 3440CT, 3480CT | Portégé 3440CT, 3480CT | Portégé 72xx series, 7140CT | Portégé 7140CT, 7200 |
| **Warranty** | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year |

# Deskbased connectivity

**Portégé 3xxx series with MultiMedia Port Replicator:**
**Perfectly equipped**
**Numerous expansion possibilities:**

- **SelectBay options with Zip, LS120, CD-ROM, DVD or HDD**
- **PC card slot type II connector for your network connection**
- **Complete range of equipment for connections and interfaces are available**
- **Unrestricted access to all new media technologies**



| Product | NetDock Port Replicator | Expansion Station[1] | CardDock |
|---|---|---|---|
| **Part Number** | PA3017E-1PRP | PA3018E-1DST | PA3028E-1PRP |
| **Interfaces/Expansion Slots** | | | |
| Parallel | x | - | x |
| Serial | x | - | x |
| External Monitor | x | - | x |
| USB | 2 x | - | 2 x |
| PS/2 Keyboard | x | - | x |
| PS/2 Mouse | x | - | x |
| Midi/Joystick Port | - | - | - |
| SCSI-2 Port | - | - | - |
| PC Card Slots (CardBus supported) | - | - | 1 x type II/III |
| Line in | x | - | x |
| Line out | x | - | x |
| **Special Features** | | | |
| Built-in RJ-45 Ethernet Connection | 10/100 Base TX (3Com) | - | - |
| PCI Slot | - | 1 x 3/4 length, 1 x 1/2 length | - |
| 3.5" Drive Bay | - | 1 x | - |
| 5.25" Drive Bay | - | 1 x | - |
| SelectBay for DVD-ROM, HDD, CD-ROM | - | SelectBay adapter[1] (PA3022U-1OTR) HDD adapter[2] (PA3023U-1OTR) | - |
| Kensington Cable Lock Slot | - | - | x |
| **Dimensions (W x D x H)** | 331 x 344 x 57 mm | 383 x 373 x 89 mm | 331 x 379 x 59 mm |
| **Weight** | 1.6 kg | 5.6 kg | 1.7 kg |
| **Power Supply** | 15 V DC in | 100/240 V AC in | 15 V DC in |
| **Compatibility** | Tecra 8100/Tecra 8200 and Expansion Station | Tecra 8100/Tecra 8200 with NetDock Port Replicator | Tecra 8100/Tecra 8200 |
| **Warranty** | 1 year | 1 year | 1 year |

**Please note:** [1] Expansion Station SelectBay adapter (PA3022U-1OTR) converts the 5.25" drive bay in the Tecra 8100 expansion base to a SelectBay.
[2] HDD adapter (PA3023U-1OTR) converts 3.5" drive bay to take Tecra 8100 primary HDDs.

**Two docking systems for Tecra 8100/8200:**
**Stay connected**
**Two docking solutions for the Tecra 8100/8200 with numerous connectors and interfaces:**

- **NetDock Port Replicator is the basis for a modular docking system**
- **This is ideal for working in the office and on the network (Ethernet connection)**
- **The Expansion Station offers all the possibilities of a desktop when linked to the NetDock Port Replicator**
- **The fully flexible CardDock solution has its own PC card slot type II connection**
- **Fast and easy connection to your office peripherals and easy expansion possibilities**

Toshiba recommends Windows® 2000 Professional for business.

# Communication & network solutions:

# Get connected to the world.

**With Toshiba portable PCs, communication on the move has never been easier.**

The ability to stay in touch is a fundamental part of computing mobility and is addressed by Toshiba with a comprehensive range of PC Cards. With Toshiba portable PCs, communication on the move has never been easier.

Toshiba's credit-card sized network options enable you to link your PC with popular network systems. When you want fast, seamless networking, Toshiba offers a range of advanced options to meet your requirements.

| Product | GlobalPort ISDN PC Card | Global ISDN PC Card Adapter |
|---|---|---|
| Part Number | PX1011E-1NCO | PX1000E-1COM |
| Network Connection | ISDN – 64k or 128k for fast high speed access | ISDN – 64k or 128k for fast high speed access |
| Card Type | Type III PC card (for use with GlobalPort 10/100 Ethernet card or stand alone) | Type II PC card (for use with global PC card modem or stand alone) |
| Connector | Integrated Universal RJ-45 connector | External RJ-45 connector |
| Weight | 19.5 g | 63 g |
| BRI (Basic Rate Interface) IS | Euro ISDN, ISDN1 (US standard switch type), 5ESS (Norte, Belcore US) and INS-Net (Japan) | Euro ISDN, AT&T and NI-1 North America |
| B Channel Protocol | HDLC, X.25, X.75, T.70, T.90NL, V.110/ITU and V.120/ITU | MLPPP (Multilink PPP), Bandwidth On Demand (BOD), Bandwidth Allocation Control Protocol (BACP), PPP Asynchronous to Synchronous |
| Group 3 Faxing | Yes | No |
| CAPI Support | Yes – version 2.0 | Yes – version 2.0 |
| Power Consumption | BatterySave™ advanced power management | Up to 800 mW at 5 V |
| Warranty | 5 years | 5 years |

Communication

**GlobalPort PC Card:**
**Flexible communication**

- **There is nothing to break, lose or forget, because the connectors are built right in**
- **Mix & match any of the GlobalPort PC Cards in a PC Card slot type III to support the communication combination you need**
- **Power saving features maximise notebook battery life**

GlobalPort ISDN PC Card
PX1011E-1NCO

# Network solutions

| Product | Type II 16bit Ethernet Card | GlobalPort 10/100 Ethernet PC Card | 10/100 Cardbus Ethernet PC Card | 10/100 Cardbus Ethernet x-jack PC Card |
|---|---|---|---|---|
| Part Number | PX1006E-1NCO | PX1010E-1NCO | PX1032E-1NCO | PX1033E-1NCO |
| Network Connection | Ethernet. Supports both 10Base-T and 100Base-TX networks with a single adapter cable | Ethernet. Supports both 10Base-T and 100Base-TX networks | Ethernet, supports both 10Base-T and 100Base-TX networks with a single adaptor cable | Ethernet, supports 10Base-T and 100Base-TX networks with an integrated connector |
| Connector | Universal RJ-45 connector | Integrated RJ-45 connector | Universal RJ-45 connector | Universal RJ-45 connector |
| Standards | Type II PCMCIA, IEEE 802.3u for 100Base-TX, 10/20 Mbps full-duplex | Type III CardBus PC card, IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, 10/20 Mbps full-duplex on 10 Base-T full-duplex networks. 100/200 Mbps full-duplex on 100Base-TX full-duplex networks | Type II PCMCIA, IEEE 802.3 for 10Base2, IEEE 802.3u for 100Base-TX, 10/20 Mbps full-duplex on 10 Base-T full-duplex networks. 100/200 Mbps full-duplex on 100Base-TX full-duplex networks | Type II PCMCIA, IEEE 802.3 for 10Base2, IEEE 802.3u for 100Base-TX, 10/20 Mbps full-duplex on 10 Base-T full-duplex networks. 100/200 Mbps full-duplex on 100Base-TX full-duplex networks |
| Weight | 24 g | 19.5 g | - | - |
| Power Requirements | 10Base-T: +5 V DC, 320 mA typical, 460 mA max. 100Base-TX: +5 V DC, 340 mA typical, 490 mA max. | 10Base-T: +3.3 V operation 100Base-TX: +3.3 V operation | 10Base-T: 3.3 V DC, 115 mA typical, 100Base-T: 3.3 V DC, 145 mA typical | 10Base-T: 3.3 V DC, 115 mA typical, 100Base-T: 3.3 V DC, 145 mA typical |
| Software Compatibility | Supports all popular network operating systems including Novell Netware, Microsoft Windows NT 3.x/4.x, Windows 95/98, Windows 3.x, Windows 2000, Microsoft LAN Manager | Supports all popular network operating systems including Novell Netware, Microsoft Windows NT 3.x/4.x, Windows 95/98, Windows 3.x, Windows 2000, Microsoft LAN Manager | Supports all popular network operating systems including Microsoft Windows NT 3.x/4.x, Windows 95/98, Windows 3.x, Windows 2000, Windows LAN Manager | Supports all popular network operating systems including Microsoft Windows NT 3.x/4.x, Windows 95/98, Windows 3.x, Windows 2000, Windows LAN Manager |
| Hardware Compatibility | Supports all PC card (PCMCIA) compliant PCs | Supports all type III PC card enabled PCs | Supports all Cardbus PC card (PCMCIA) compliant PCs | Supports all Cardbus PC card (PCMCIA) compliant PCs |
| Power Management | | Xircom battery save advanced power management, Magic Packet wake-up technology, supports ACPI | Remote Wake Up (RWU), Advanced Configuration and Power Management Interface (ACPI) compliance | Remote Wake Up (RWU), Advanced Configuration and Power Management Interface (ACPI) compliance |
| Warranty | 5 years | 5 years | 5 years | 5 years |

Toshiba recommends Windows® 2000 Professional for business.

# Carry cases:
# Style and functionality.

**Rest assured that wherever you go, your Toshiba portable PC will accompany you in complete safety.**

More security for your portable PC – and more peace of mind for you. Toshiba knows exactly how much a portable PC has to endure. And the best portables deserve the best protection. We offer a broad range of stylish and secure laptop cases to suit every taste and demand: from the multi-functional three-way backpack (you can carry it over your shoulder, with your hand or on your back) through to the elegant Portégé leather case.

All Toshiba bags also boast the following specifications: space for documents, additional equipment and accessories such as batteries, cables, disks, CD-ROMs and depending on the individual model, space for your mobile phone. The use of water resistant nylon and high quality, resistant leather ensures a long life for each and every model in our range. And that's guaranteed.

| Product | Madrid Case | Solid Case | Koskin Case | Backpack II | Sky Traveller (Trolley) |
|---|---|---|---|---|---|
| Part Number | 2713379 | 2706030 | 2706031 | 2706035 | 2706034 |
| Material | Nylon | Nylon | Koskin | Nylon | Nylon |
| Compartments | Notebook, front document pocket | Notebook, printer, documents, accessories | Notebook, documents, accessories | Notebook, front document compartment, compartment for accessories, mobile phone pocket | Notebook, documents, accessories, clothing |
| Dimensions (W x D x H) | 350 x 290 x 60 mm | 365 x 300 x 155 mm | 300 x 380 x 145 mm | 400 x 315 x 90 mm | 440 x 360 x 240 mm |
| Weight | – | 1.75 kg | 2.0 kg | 0.58 kg | 2.9 kg |
| Compatibility | A4 notebooks | All models | All models | All models | All models |
| Warranty | 3 years | 3 years | 3 years | 3 years | 3 years |

# Carry cases

**Innovator Case:**
**Unique variety**

- **New, innovative and reliable**
- **Damage protection provided by the basic air protection system**
- **Separate compartments for notebook equipment**
- **Lockable compartment for important documents**
- **Mobile phone pocket and travel compartment for personal items**
- **Secure protection with plenty of space**

**Pioneer Case:**
**Clearly arranged comfort**

- **Full air protection provides shock resistance**
- **Dedicated compartments for notebook, documents and technical equipment in specially designed SelectBay pockets**
- **Featuring an ergonomically designed handle, shoulder handle with luxury suspension and inbuilt newspaper or umbrella holder**

| Innovator Case | Pioneer Case | Portégé Leather Case | Product |
|---|---|---|---|
| PX1034E-1NCA | PX1035E-1NCA | 2706033 | **Part Number** |
| PU-coated Nylon | Nylon | Leather | **Material** |
| PC, documents, 2 x accessories, external travel pocket, mobile phone, pen holder, business card holder | PC, 3-section document compartment, 2 x SelectBay holders, 3 x accessories pockets, internal zip pocket, external zip travel compartment, business card holder, pen holder | Notebook | **Compartments** |
| Basic air protection system for notebook protection, lockable main compartment, handle and shoulder strap, free standing, protection feet, two-tone design | Newspaper/umbrella holder, ergonomic handles, luxury sprung shoulder strap, full air protection system for notebook protection, protection feet, excess document strap holder | | **Special Features** |
| 405 x 85 x 330 mm | 410 x 175 x 335 mm | 348 x 253 x 57 mm | **Dimensions (W x D x H)** |
| 2.0 kg | 2.15 kg | 0.7 kg | **Weight** |
| All A4 notebooks (both 14” and 15” screens), B5 notebooks | All A4 notebooks (both 14” and 15” screens), B5 notebooks | Portégé 7xxx series and 3xxx series | **Compatibility** |
| 10 years | 10 years | 3 years | **Warranty** |

Toshiba recommends Windows® 2000 Professional for business.

# Mobile storage:
# Expand your mobility beyond convention.

**The benefits of mobility sometimes put storage at a premium in portable computing. But that doesn't mean you have to compromise. Toshiba's versatile storage options allow memory-intensive or power-critical tasks to be carried out in any location.**

Mobile information storage is at a premium in mobile computing with different customers, locations and task requiring different software and applications.

Toshiba offers a range of options to ensure you always have enough capacity for your needs to allow memory-intensive or power-critical tasks to be carried out in any location.

Mobile

| | |
|---|---|
| **Product** | **20 GB HDD** |
| **Part Number** | PA3056U-1H20 |
| **Capacity** | 20000 million bytes (18.63 GB) |
| **Height** | 12.7 mm |
| **Access Time (Read/Write)** | 12/13 ms |
| **Buffer Size** | 512 KB |
| **Interface** | Enhanced IDE (ATA4) |
| **Compatibility** | Tecra 8100, Tecra 8200 (as primary HDD) or SelectBay when used with SelectBay HDD adapter (PA3020U-1OTR), Equium 2000 |
| **Warranty** | 1 year |

**Please note:**
Tecra 8100 and Tecra 8200 HDD expansions are for use as a primary HDD or SelectBay HDD. If using the Tecra 8100 HDD in the SelectBay, then SelectBay HDD adapter (PA3020U-1OTR) is required. SelectBay HDDs are designed to operate as a second removable HDD.

# storage

| Product | Iomega SelectBay Zip Drive 250 MB | SelectBay LS120 Drive | External USB FDD Drive |
|---|---|---|---|
| Part Number | PX1039U-1NST | 2793006 | PA3043U-1FDD |
| Storage Capacity | 250 MB formatted | 120 MB per disk | 1.44 MB per disk |
| Media | Standard 100 MB and 250 MB Iomega Zip certified disks | LS-120 diskette and 1.44 MB floppy diskette | IBM formatted format |
| Seek Time | 29 ms | 70 ms | |
| Transfer Time | 2,4 maximum sustained | 313 KB/s to 571 KB/s (120 MB mode) 110 KB/s (1.44 MB mode) | 500 KB/s (max.) |
| Compatibility | MS DOS, MS Windows 3.x, 95, 98, NT, 2000, ME, OS 2, Tecra 8000, Tecra 8100, Portégé MultiMedia Port Replicator | Tecra 8100, Tecra 8200 MultiMedia Port Replicator | Portégé 3440CT, 3480CT, 72xx series |
| Warranty | 1 year | 1 year | 1 year |

**SelectBay:**
**Inbuilt flexibility**

- **For DVD, CD-ROM, CD-RW, LS120, Zip and HDD up to 20 GB**
- **Fast and easy exchange of equipment**
- **Also compatible with the Equium 2000 desktop range and the Portégé 3xxx series MultiMedia Port Replicator**
- **Practical and cost effective**

Toshiba recommends Windows® 2000 Professional for business.

# Mobile multimedia:

# Imagination on a higher level.

**Opening up new innovative capabilities for its notebook users is second nature to Toshiba - as exemplified by Toshiba's advanced solutions to the ever increasing demands of mobile multimedia, video, graphics and presentation applications.**

DVD drives provide the ultimate in multi-media storage allowing large amounts of video, audio and data to be stored. The mobile CD-RW provides the opportunity to write to CDs and to incorporate the same function as a CD-ROM drive. Working in tandem with state-of-the-art stereo system that come built into Toshiba notebooks, these advanced solutions enable mobile multimedia performance to be taken to even higher levels.

| | |
|---|---|
| **Product** | **2 GB PC Card HDD** |
| **Part Number** | PA3079E-1PCC |
| **Storage Capacity** | 2010 million bytes (1.9 GB) |
| **Rational Speed** | 4200 rpm |
| **Seek Time** | Average 15 ms |
| **Transfer Rate** | I/O mode: 5,2 Mbps,<br>Memory mode: 20 Mbps |
| **Buffer Size** | 256 KB |
| **Compatibility** | Any PC equipped with a<br>PC card type II slot |
| **OS Support** | Windows® 95, 98, 2000, ME |
| **Warranty** | 1 year |

**2GB PC Card:**
**Unprecedented storage**

- **Massive 2GB capacity supports video, music and full multimedia data storage**
- **Unprecedented storage in a compact, lightweight format**
- **Can be used for PC back-up or to store valuable data and removed for added security**
- **Weighs only 55g – convenient for carrying around**
- **Type II PC card compatible with most notebook computers**

Mobile m

| Product | SelectBay CD-RW | SelectBay CD-ROM | SelectBay DVD-ROM | Mobile CD-ROM | Mobile CD-RW | Mobile DVD-ROM |
|---|---|---|---|---|---|---|
| Part Number | 2793009 | PA3015U-1CDD | PA3014E-2DVD | 2793020 | 2793008 | 2793005 |
| Speed | Read 20 x, Write 4 x, Rewrite 4 x | 24 x | 6 x | 24 x | Read 20 x, Write 4 x, Rewrite 4 x | 20 x CD, 4 x DVD |
| Average Access Time | 105 ms | 115 ms | 120 ms | 180 ms | 120 ms | 105 ms |
| Sustained Data Rate | Read: 1800 KB/s<br>Write: 600 KB/s<br>Rewrite: 600 KB/s | 3600 KB/s (max.) | 3600 KB/s (max.) | 3600 KB/s | Read: CAV<br>Write: 600 KB/s<br>Rewrite: 600 KB/s | CD: 3000 KB/s<br>DVD: 5400 KB/s |
| Compatibility | Tecra 8100, Tecra 8200, Expansion base[1], MultiMedia Port Replicator | Tecra 8100, Tecra 8200, Expansion base[1], MultiMedia Port Replicator | Tecra 8100, Tecra 8200, Expansion base[1], MultiMedia Port Replicator | All notebooks with PC card slot type II | All notebooks with PC card slot type II | All notebooks with PC card slot type II |
| Warranty | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year |

**Please note:** [1] SelectBay devices require adapter (PA3022U-1OTR) for use in Expansion base.

ultimedia

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## Digital devices:

# Paint your own picture.

Expand your mobile functionality with one of Toshiba's range of digital devices designed to support business on the move. Add images of video to presentations with our range of digital cameras or always be prepared for that unexpected presentation with our mobile projector.

**Digital solution:**
**Brilliant resolution**

- **Fantastic picture quality with PDR-M60 digital camera for limitless creativity**
- **PDR-M70 is a powerful combination of superb sharpness with movie and sound recording**
- **Easy to save and edit on the notebook and present on the user friendly mobile B2 projector with superior technology**

Digital devic

| Product | Digital Camera PDR-M60 [1] | Digital Camera PDR-M70 [1] |
|---|---|---|
| Part Number | 1130016 | 1130017 |
| Viewfinder | Optical | Optical |
| CCD Sensor | 1/2”, 2.3 million pixels | 1/1.8”, 3.37 million pixels CCD |
| Zoom | Optical 2.3 x, digital 2 x | Optical 3 x, digital 2 x |
| Resolution | 1792 x 1200, 896 x 600 | 2048 x 1536, 1024 x 768 (SVGA) |
| Recording of AV Files | No | 320 x 240/160 x 120 pixels max. 300 s |
| Recording of Sound Files | No | Mono, voice recorder function (65 min./16 MB SmartMedia™) |
| Flash | With red eye reduction | Yes |
| Exposure Control | Automatic | Automatic |
| Multi Playback | Yes | Yes |
| Slide Show | Yes | Yes |
| LCD Monitor | 1.8” TFT | 1.8” TFT (122000 pixels) |
| Shutter Speed | 1/2–1/1000 s | 8–1/1000 s |
| SelfTimer | Yes (2/10 s) | Yes (2/10 s) |
| Burst Mode | No | Yes (1.25 pictures/s) |
| Multi Shot | 16 in 1 | 36 in 1 (15/s) |
| Lens | f = 2.8–3.2 mm | f = 2–2.5, f = 7.0–21 mm (35–105 mm) |
| Energy Source | | |
| Battery | 4 x AA batteries | Lithium-ion rechargeable |
| AC Adapter | Optional | Yes |
| Interface | | |
| USB | Yes | Yes |
| Memory | | |
| Buffer Memory | | 24 MB |
| Removable SmartMedia™ | 4 MB SmartMedia™ included | 16 MB |
| Connection to PC | USB cable | USB cable |
| OS Support | Windows 98/2000 | Windows 98/2000 |
| File Format | JPEG (Exif version 2.1) | JPEG (Exif version 2.1) |
| Warranty | 1 year | 1 year |

**Please note:** [1] Ask your local reseller regarding availability of Toshiba’s digital devices.

| Product | Projector TLP-B2 [1] |
|---|---|
| Part Number | TLP-B2 |
| Display | 0.9” polysilicon TFT |
| Resolution | 1024 x 768 full XGA (compressed SVGA) |
| Colour Reproduction | 16.7 million colours simultaneous |
| Brightness | 1000 ANSI lumen |
| Video Compatibility | NTSC, PAL, SECAM |
| Scanning Frequency | fV = 50-85 Hz |
| Digital Keystone Correction | Automatic and adjustable |
| Contrast Ratio | 400:1 |
| Projection Lens | Manual zoom and focus |
| Projection Lamp | 120 W high pressure |
| Input | Video: RCA pin/S-Video<br>RGB: D-sub 15 pin<br>Audio: Stereo mini jack |
| Serial Interface | RS-232C (Mini-DIN) |
| Audio | Built-in 1 W speakers |
| Dimensions (W x H x D) | 232 x 71 x 276 mm |
| Weight | 2.6 kg |
| Power Supply | 100-240 V, 50/60 Hz |
| Power Consumption | 180 W |
| Accessories | RGB cable, remote control (card), audio/video cable, manual, soft carry case |
| Warranty | 2 years |

| Product | 16 MB SmartMedia™ | 32 MB SmartMedia™ |
|---|---|---|
| Part Number | 1130008 | 1130009 |
| Warranty | 1 year | 1 year |

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# Power accessories:

# Power moves.

**That is why Toshiba offers a wide range of power accessories designed to help you take full advantage of your portable PC's versatility.**

Maximising mobile energy sources is the key to the success of mobile computing. Toshiba offers a huge range of power supplies and batteries which help you maximise the use of your notebook. Wherever you work, Toshiba's portable PC will always provide you with the power to realise your full potential.

| Product | Battery | Battery | Battery | Battery | SelectBay Battery | Battery |
|---|---|---|---|---|---|---|
| Part Number | PA2487URG | PA3009U-1BAR | PA3038U-1BRL | PA3000U-1BRS | PA3074U-1BAR | PA3062U-1BAR |
| Specification | 10.8 V x 4000 mAh (typical) x 9 cell | 10.8 V x 4500 mAh (typical) x 9 cell | 10.8 V x 3000 mAh (typical) x 6 cell | 10.8 V x 3000 mAh (typical) x 6 cell | 10,8 V x 3.400 mAh (typical) x 6 cell | 10,8 V x 3.600 mAh (typical) x 6 cell |
| Battery Type | Li-Ion (graphite) | Li-Ion | Li-Ion (graphite) | Li-Ion (graphite) | Li-Ion | Li-Ion |
| Dimensions (W x D x H) | 170 x 19 x 17.5 mm | 209 x 67 x 19 mm | 207.7 x 39 x 19.5 mm | 207.7 x 39 x 19.5 mm | 115,7 x 103 x 16,8 mm | 110 x 66 x 20 mm |
| Weight | 400 g | 405 g | 233 g | 233 g | 400 g | 320 g |
| Compatibility | Satellite Pro 4200/4300/ 4600 series | Tecra 8100 | Portégé 3410CT, 3440CT, 3480CT | Portégé 7140CT, 72xx series | Tecra 8200 | Tecra 8200 |
| Warranty | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year |

| Product | Car Adapter | Car Adapter |
|---|---|---|
| Part Number | CAT30A | CAT L100 |

Power accessories

| Product | Battery Charger | Battery Charger | Battery Charger | Battery Charger | Battery Charger | AC Adapter | AC Adapter | AC Adapter |
|---|---|---|---|---|---|---|---|---|
| Part Number | PA2488UE | PA3011E-1CHG | PA2513UE | PA2508UE | PA3063E-1PHC | PA3049E-1ACA | PA3035E-1ACA | PA3048E-1ACA |
| Number of Batteries Supported | 2 | 2 | 1 | 2 | 2 | - | - | - |
| Supported Batteries | PA2487URG | PA3009U-1BAR<br>PA3010U-1BAR | PA3038U-1BRL<br>PA3039U-1BRL | PA3000U-1BRS<br>PA3002U-1BRL | PA3062U-1BAR<br>PA3074U-1BAR | - | - | - |
| Charge Time per Battery (approx.) | 3 hours | 3 hours (PA3009U-1BAR), 2.5 hours (PA3010U-1BAR) | 2 hours (PA3038U-1BRL), 3 hours (PA3039U-1BRL) | 2 hours (PA3000U-1BRS), 3 hours (PA3002U-1BRL) | 2.5 hours (PA3062U-1BAR), 2.5 hours (PA3074U-1BAR) | - | - | - |
| Input Power | - | - | - | - | - | 100-240 V AC, autosensing | 100-240 V AC, autosensing | 100-240 V AC, autosensing |
| Output Power | - | - | - | - | - | 15 V DC, 3 A , 45 W max. | 15 V DC, 3 A, 45 W max. | 15 V DC, 4 A, 60 W max. |
| Output Cord | - | - | - | - | - | Standard Toshiba power cord (available separately) | Standard Toshiba power cord (available separately) | Standard Toshiba power cord (available separately) |
| Dimensions (W x D x H) | 220 x 178 x 45 mm | 262.5 x 245 x 44.5 mm | 240 x 70 x 20 mm | 243 x 130 x 44 mm | 262.5 x 245 x 44.5 mm | 270 x 200 x 50 mm | 125 x 63 x 25 mm | 270 x 200 x 50 mm |
| Weight | 650 g | 1.1 kg | 160 g | 650 g | 1.1 kg | 540 g | 300 g | 540 g |
| Regularity | - | - | - | - | - | CE, FCC, Class B, EN60950 | CE, FCC, Class B, EN60950 | CE, FCC, Class B, EN60950 |
| Compatibility | Satellite Pro 4200/ 4300/4600 series | Tecra 8100 | Portégé 3440CT, 3480CT | Portégé 72xx series | Tecra 8200 | Satellite Pro 4200/ 4300/4600<br>Satellite 2800-100 | Portégé 3440CT, 3480CT<br>72xx series, Satellite 2800-300 | Tecra 8100, 8200, Satellite Pro 4300/ 4600, Portégé |
| Warranty | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year |

| Product | High Capacity Battery | High Capacity Battery | SelectBay Battery |
|---|---|---|---|
| Part Number | PA3039U-1BRL | PA3002U-1BAL | PA3010U-1BAR |
| Specification | 10.8 V x 5600 mAh (typical) x 12 cell | 10.8 V x 6000 mAh (typical) x 12 cell | 10.8 V x 3400 mAh (typical) x 6 cell |
| Battery Type | Li-Ion (graphite) | Li-Ion (graphite) | Li-Ion |
| Dimensions (W x D x H) | 262 x 214 x 15 mm | 207.7 x 66.9 x 32.5 mm | 115.7 x 103 x 16.8 mm |
| Weight | 1030 g | 573 g | 400 g |
| Compatibility | Portégé 3410CT, 3440CT, 3480CT | Portégé 7140CT, 72xx series | Tecra 8100, Tecra 8200 |
| Warranty | 1 year | 1 year | 1 year |

**The power solution for the Portégé 3xxx series:**
**Superior longevity**

- **High power battery for Portégé 3xxx series owners with 8.5 hours nonstop energy supply**
- **No need to carry an AC adapter – you have the power to compute all day**
- **Groundbreaking technology from investing 6 per cent of Toshiba's net sales into research**

Toshiba recommends Windows® 2000 Professional for business.

# Additional accessories:
# Perfect in every detail.

**Additional accessories fulfil the criteria of quality, innovation and flexibility.**

One of the greatest attributes of Toshiba portable PCs is their ability to provide stunning performance on the desktop as well as on the move – both practically and visually.

Introduced by popular demand, Toshiba's range of additional accessories – monitor stands, keyboards, screen scroller mouse and so on – is the perfect way to complement your working environment and enhance your professional appearance. And, as you would expect from Toshiba, they also offer unbeatable quality and outstanding value.

| Product | Wireless Keyboard and Mouse[1)] | PS/2 Wheel Mouse |
|---|---|---|
| Part Number | PX1036B-1DAC (English layout version) | 2782502 |
| Features | Cordless keyboard and wheel mouse in Toshiba Wave Grey, USB RF receiver and batteries | Wheel allows scrolling without moving from your page position, designed for left and right handed people, customised button for one-click commands |
| OS Support | Windows 98/2000 | Windows 95/98/NT4 |
| Warranty | 1 year | 1 year |

**Please note:** [1)] Other languages layout available on request. Minimum order necessary.

| Product | PC Card Fingerprint Reader |
|---|---|
| Part Number | PA3066E-1PCC |
| Format | PC Card Type II |
| Fundamental factors of accurancy | |
| FAR (False Acceptance Rate): | 0.1%, 0.01%, 0.001% (SW selectable, Standard setting 0.01%) |
| FRR (False Rejection Rate): | Less than 5% |
| OS Support | Windows® 95, 98, NT 4.0 |
| Warranty | 1 year |

| Product | USB Hub |
|---|---|
| Part Number | 2792501 |
| USB Version | USB specification 1.0 |
| OS Support | Windows 98 |
| Ports | 3 USB ports<br>1 serial port<br>1 printer port |
| Power Consumption | 2 A |
| Dimensions (W x D x H) | 135 x 90 x 35 mm |
| Weight | 100 g |

| Product | Monitor Stand | Kensington Micro Saver | USB Data Bridge |
|---|---|---|---|
| Part Number | PX1008E-1NAC | 2791300 | 2792500 |
| Features | Toshiba Wave Grey; supports 17" and 21" monitors | Compatible with all Toshiba notebooks | Supports Windows 98 |

Additional accessories

# Desktop expansions:
# PC performance customised.

**Tried, tested and guaranteed for use with Toshiba Equium desktop PCs, Toshiba offers a range of options specifically designed to both enhance the performance and maximise the potential of your Equium desktop PC.**

As well as our extensive range of options in our notebook range, there's plenty of scope to broaden the capabilities of Toshiba desktops.

In order to provide you with an extensive range of options for our desktop PCs, we offer everything from SelectBay modules to cost-effective memory upgrades. And of course each product is built to the same high standards you'd expect from Toshiba.

| Product | Equium 3300M | Equium 2000 (Celeron™ Models) | Equium 2000 (Pentium® Models) | Equium 8000 S/D (Celeron™ Models) | Equium 8000 S/D (Pentium® Models) |
|---|---|---|---|---|---|
| Standard Memory Configuration | 64 MB | 64 MB | 64 MB | 64 MB | 64 MB |
| Expandable to (max.) | 768 MB | 256 MB | 256 MB | 512 MB | 512 MB |
| 32 MB Upgrade | - | PA2060U | - | PA1022E-1DME | - |
| 64 MB Upgrade | PX1028E-1DME | PA2061U | PA3004U | PA1023E-1DME | PX1028E-1DME |
| 128 MB Upgrade | PX1029E-1DME | PA2062U | PA3005U | PA1024E-1DME | PX1029E-1DME |
| 256 MB Upgrade | PX1030E-1DME | PA3051U-1NME[1)] | PA3051U-1NME[1)] | - | PX1030E-1DME |

**Please note:** [1)] The base memory must be removed before this module can be installed.
The maximum installable memory is 256 MB.

| Product | SelectBay CD-RW | SelectBay CD-ROM | SelectBay DVD-ROM |
|---|---|---|---|
| Part Number | 2793009 | PA3015U-1CDD | PA3014E-2DVD |
| Compatibility | Equium 2000 | Equium 2000 | Equium 2000 |
| Speed | Read 20 x, Write 4 x, Rewrite 4 x | 24 x | 6 x |
| Average Access Time | 105 ms | 115 ms | 120 ms |
| Sustained Data Rate | Read: 1800 KB/s<br>Write: 600 KB/s<br>Rewrite: 600 KB/s | 3600 KB/s | 3600 KB/s (max.) |
| Warranty | 1 year | 1 year | 1 year |

**Please note:** [2)] SelectBay devices require adapter (PA3022U-1OTR) for use in Expansion base.

| Product | SelectBay LS120 Drive |
|---|---|
| Part Number | 2793006 |
| Storage Capacity | 120 MB per disk |
| Media | LS-120 diskette and 1.44 MB floppy diskette |
| Seek Time | 70 ms |
| Transfer Time | 313 KB/s to 571 KB/s (120 MB mode)<br>110 KB/s (1.44 MB mode) |
| Compatibility | Equium 2000 |
| Warranty | 1 year |

| Standard Video Configuration | 2 MB Pre-Installed | 4 MB Pre-Installed |
|---|---|---|
| 2 MB Video RAM | PX1002E-1DME | - |
| 4 MB Video RAM | PX1003E-1DME | PX1031E-1DME |

| Product | Equium Modem |
|---|---|
| Part Number | PX1039E-1DCO |
| Network Connection | Wired PSTN |
| Connection Type | RJ-45 |
| Data Modes | Up to V.90, fax and data modes |
| Compatibility | Recommended for Equium desktops |
| OS Support | Windows 95/98/NT4.0/2000 |
| Warranty | 1 year |

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**For further information on the Toshiba range of PCs contact your nearest Toshiba Authorised Reseller or visit the Toshiba web site: www.toshiba-europe.com/computers**

# Desktop expansions

| Product | DVD-ROM Drive |
|---|---|
| Part Number | PX3038E-1DMD |
| Speed | DVD: 12 x, CD: 40 x |
| Access Time | 80 ms typically |
| Transfer Time | DVD: 16000 KB/s, CD: 6000 KB/s |
| Buffer Size | 128 KB |
| Compatibility | Equium 3xxx series |
| OS Support | All operating systems |
| Warranty | 1 year |

| Product | DVD-ROM Drive |
|---|---|
| Part Number | PX3058E-1DVD |
| Speed | DVD: 8x, CD: 24x |
| Access Time | DVD: 100ms; M CD 95ms |
| Transfer Time | DVD: 10820 KB/s; CD: 3600 KB/s |
| Buffer Size | 128 KB |
| Compatibility | Equium 2000 |
| OS Support | All operating systems |
| Warranty | 1 year |

| Product | Wireless Keyboard and Mouse[1)] |
|---|---|
| Part Number | PX1036B-1DAC (English layout version) |
| Features | Cordless keyboard and wheel mouse in Toshiba Wave Grey, USB RF receiver and batteries |
| OS Support | Windows 98/2000 |
| Warranty | 1 year |

**Please note:** [1)] Other languages layout available on request. Minimum order necessary.

| Product | PC Ethernet Card |
|---|---|
| Part Number | PX1037E-1DCO |
| Network Connection | Ethernet. Supports both 10Base-T and 100Base-TX networks |
| Connection Type | Universal RJ-45 connector |
| Data Modes | Ethernet IEEE 802.3 industry standard 10 Mbps baseband CSMA/CD (10Base-T) and 100 Mbps baseband CSMA/CD (100Base-T, FX) standards, 10 Mbps baseband CSMA/CD (10Base2 and 10Base5) |
| Compatibility | Recommended for any Equium PC equipped with a PCI slot |
| General Features | Traffic prioritisation, performance monitoring, efficient multicast control Remote Wake Up (RWU), ACPI compliance, Desktop Management Interface (DMI) |
| Warranty | 1 year |

| Product | SelectBay 20 GB HDD |
|---|---|
| Part Number | PA3056U-1H20 |
| Storage Capacity | 20000 million bytes (18.63 GB) |
| Access Time | 12/13 ms |
| Buffer Size | 512 KB |
| Compatibility | Equium 2000 |
| OS Support | Windows 95/98/2000 |
| Warranty | 1 year |

**Please note:** Must be used in conjunction with PA3020U-1OTR SelectBay adapter.

| Product | SelectBay HDD Adapter |
|---|---|
| Part Number | PA3020U-1OTR |

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# Toshiba. Experience and innovation you can rely on.

**Toshiba notebooks are products of many years' experience and investment in mobile computing. Throughout that time, we've revolutionised the industry like no other manufacturer, regularly setting new benchmarks for others to follow. It's a commitment to innovation that has seen us rise to become the global market leader in mobile computing.**

## Innovative technologies.

Year on year, Toshiba invests more than six per cent of total revenue in research and development. This ongoing commitment to improvement means our customers and resellers are always guaranteed the latest technology.

## Reliable build quality.

When we develop a new notebook, we're never happy unless we're convinced it offers genuine benefits for our customers. Rigorous testing ensures that every computer we build not only fulfils all user requirements to the letter, but will continue to do so for years to come.

## Intelligent design.

At Toshiba, we believe that the exterior form of a product is an important and integral part of the user interface. The principal design criteria for every new notebook are therefore maximum functionality, comfort and ergonomic benefits for the user.

## Wealth of options.

While our standard specifications leave little to be desired, we recognise that there are occasions when extra functionality may be needed. As a result, we've assembled a carefully selected range of options and accessories designed to cater for every eventuality.

## Generous warranty.

It takes a certain amount of confidence in one's own products to offer the lengthy and comprehensive international warranties that we do. And even if it feels as if you'll never actually need one, it's still good to have the peace of mind that comes from choosing Toshiba.

## Authorised reseller network.

Specialist backup is essential when using high-tech equipment such as a Toshiba notebook. Which is why we've developed an extensive network of authorised resellers and qualified service providers to ensure you receive all the advice and support you need – wherever you happen to be in the world.

## Award-winning technology.

What's the secret of building award-winning notebooks and PCs? Sometimes it seems as if having the Toshiba logo is enough. As a regular recipient of independent awards from specialist publications and users around the world, we could be forgiven for resting on our laurels occasionally. The secret is, we never do.

**For further information on the Toshiba range of PCs contact**

your nearest **Toshiba Authorised Reseller**

or visit the Toshiba web site: **www.toshiba-europe.com/computers**

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# Toshiba accessories

Options

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